651.0403 Waste production from Indiana Department of Environmental Management

In form AW-1 the Indiana Department of Environmental Management sets forth manure production volumes for various animal species. These values are shown in Table IN 4-1. These production figures should be used as minimums when designing a manure storage facility which will require approval from IDEM.

Table IN 4-1 Manure volumes from IDEM Form AW-1

Species	Solid Storage System ft^3/day/animal	Liquid Storage System ft^3/day/animal
Swine		
Nursery Pig	0.02	0.05
Grower/Finish	0.08	0.18
Farrowing (S&L)	0.21	0.51
Breed/Gestation	0.09	0.16
Dairy		
Calf	0.13	0.26
Heifer	0.57	1.10
Cow	1.83	2.20
Veal Calf	0.10	0.15
Beef		
Feeder Calf	0.32	0.57
Fattening Cattle	0.54	1.14
Mature Cow	0.59	1.32
Poultry		
Broiler	0.001	0.004
Pullet	0.001	0.004
Layer	0.002	0.010
Turkey	0.003	0.011
Duck	0.003	0.011

(d) Composted Dead Animals

Dead poultry and swine can be composted as a means of disposing of carcasses. The resultant compost material can be spread on cropland and pasture land with a conventional manure spreader. The compost should be applied at a rate which will meet the agronomic requirements of the crop. The nutrient content of the compost should be determined by laboratory testing of the compost. If testing is not available or feasible the following values can be used as estimates. It should be noted that the nutrient content of compost can vary widely. Laboratory test values should be used if at all possible.

Table IN4-1 Nutrient content - lbs/ton, wet basis

	Dry Matter	Total N	P2O5	K2O
Poultry Compost	1500	63	72	35
Swine Compost	1000	20	2	6